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**PATENT APPLICATION TRANSMITTAL LETTER**  
(Large Entity)

Docket No.  
EN9-99-080

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Transmitted herewith for filing under 35 U.S.C. 111 and 37 C.F.R. 1.53 is the patent application of:

Caletka et al.

For: **PARTIALLY CAPTURED ORIENTED INTERCONNECTIONS FOR BGA PACKAGES  
AND A METHOD OF FORMING THE INTERCONNECTIONS**

Enclosed are:

- Certificate of Mailing with Express Mail Mailing Label No. **EL396831592US**  
 Ten (10) formal sheets of drawings.  
 A certified copy of a application.  
 Declaration  Signed.  Unsigned.  
 Power of Attorney  
 Information Disclosure Statement  
 Preliminary Amendment  
 Other: Assignment and Assignment Cover Sheet

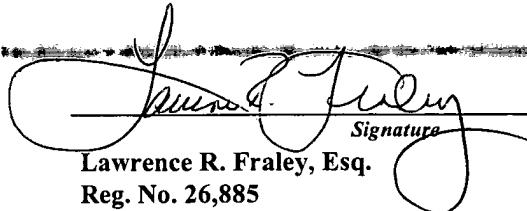
1C503 U.S.P.T.O.  
09/438037  
11/10/99

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	26	- 20 =	6	x \$18.00	\$108.00
Indep. Claims	5	- 3 =	2	x \$78.00	\$156.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				<b>BASIC FEE</b>	\$760.00
				<b>TOTAL FILING FEE</b>	\$1,024.00

- A check in the amount of to cover the filing fee is enclosed.  
 The Commissioner is hereby authorized to charge and credit Deposit Account No. **09-0457 (IBM)** as described below. A duplicate copy of this sheet is enclosed.  
 Charge the amount of **\$1,024.00** as filing fee.  
 Credit any overpayment.  
 Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.  
 Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: *Nov. 09, 1999*



*Lawrence R. Fraley*  
Signature

Lawrence R. Fraley, Esq.  
Reg. No. 26,885  
IBM Corporation  
IP Law Dept. N50/040-4  
1701 North Street  
Endicott, NY 13760-5553  
(607) 755-3207

cc:

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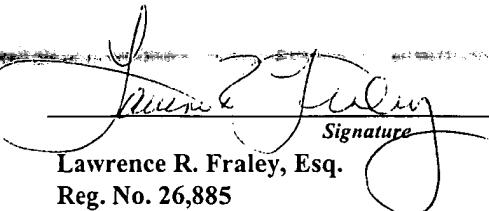
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cc:

Docket No. EN999080

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Caletka et al.

Serial No.:

Group Art Unit:

Filed: herewith

Examiner:

For: PARTIALLY CAPTURED ORIENTED INTERCONNECTIONS FOR BGA PACKAGES  
AND A METHOD OF FORMING THE INTERCONNECTIONS

Assistant Commissioner For Patents

Washington, D.C. 20231

**EXPRESS MAIL CERTIFICATE**

"Express Mail" label number: EL396831592US

Date of Deposit: 11/10/99

I hereby certify that the following attached paper or fee

Patent Application Fee Transmittal  
Application  
Drawings, 10 sheets, formal  
Declaration, 3 pgs. (executed)  
IDS, PTO-1449 & refs.  
Assignment, 1 pg. (executed)  
Recordation Form Cover Sheet  
Postcard  
Express Mail Cert.

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner For Patents, Washington, D.C. 20231.

June M. Mitchell

(Name of person mailing paper or fee)

  
June M. Mitchell

(Signature of person mailing paper or fee)

NOTE: Each paper must have its own certificate and the "Express Mail" label number as a part thereof or attached thereto. When, as here, the certification is presented on a separate sheet, that sheet must (1) be signed and (2) fully identify and be securely attached to the paper or fee it accompanies. Identification should include the serial number and filing date of the application as well as the type of paper being filed, e.g., complete application, specification and drawings, responses to rejection or refusal, notice of appeal, etc. If the serial number of the application is not known, the identification should include at least the name of the inventor(s) and the title of the invention.

NOTE: The label number need not be placed on each page. It should, however, be placed on the first page of each separate document, such as, a new application, amendment, assignment, and transmittal letter for a fee, along with the certificate of mailing by "Express Mail". Although the label number may be on checks, such a practice is not required. In order not to deface formal drawings, it is suggested that the label number be placed on the back of each formal drawing or the drawings be accompanied by a set of informal drawings on which the label number is placed.